TITLE: REDUCED ALPHABET EQUALIZER USING ITERATIVE EQUALIZATION
INVENTOR'S NAME: Eyal Krupka
SERIAL NO.: 09/901,413 DOCKET NO.: 884.433US1 REPLACEMENT SHEET

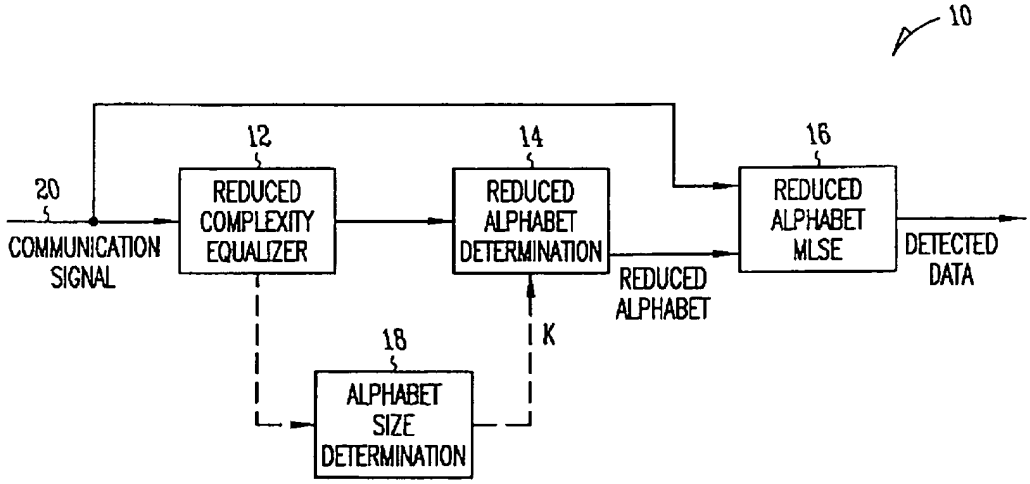

FIG. 1

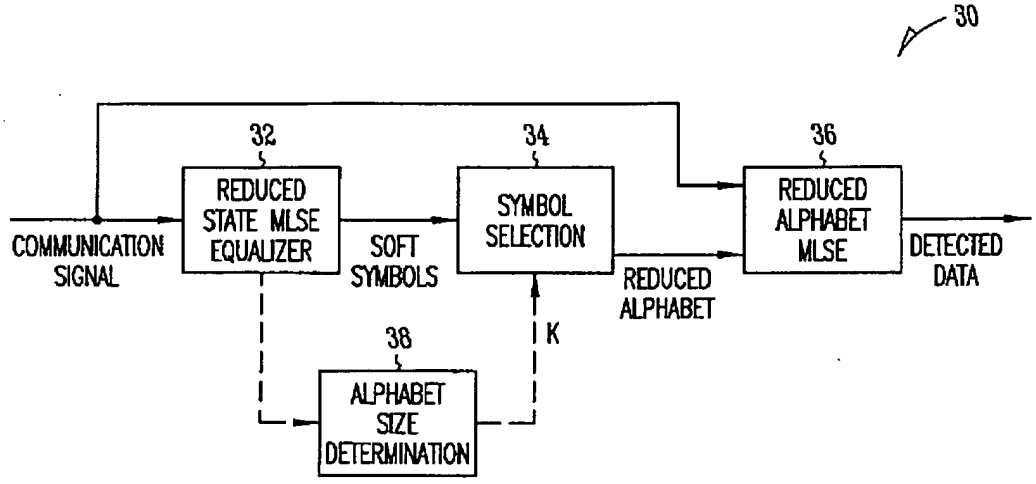

FIG. 2

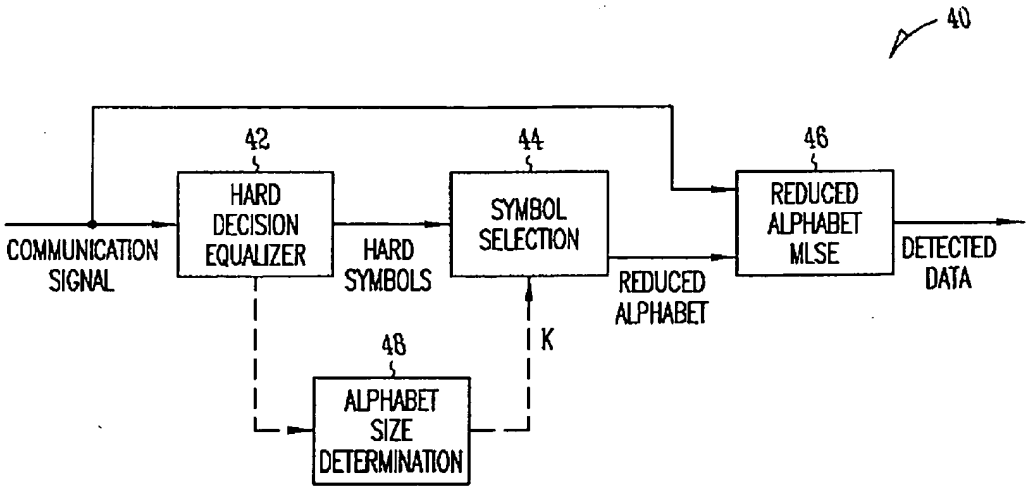
40
42
HARD DECISION EQUALIZER
44
SYMBOL SELECTION
46
REDUCED ALPHABET MLSE
COMMUNICATION SIGNAL
HARD SYMBOLS
REDUCED ALPHABET
DETECTED DATA
48
ALPHABET SIZE DETERMINATION
K

FIG. 3

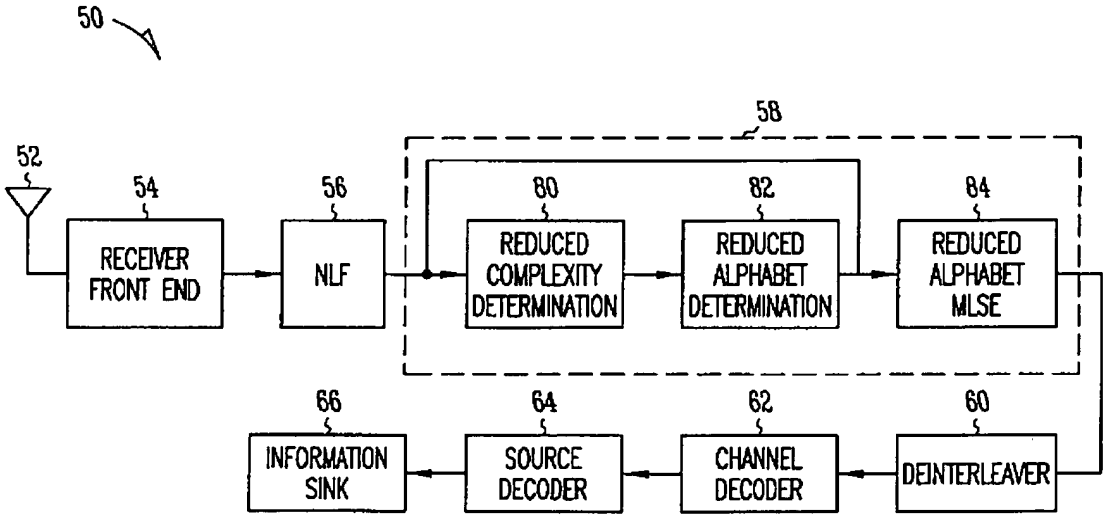
50
52
54
RECEIVER FRONT END
56
NLF
58
80
REDUCED COMPLEXITY DETERMINATION
82
REDUCED ALPHABET DETERMINATION
84
REDUCED ALPHABET MLSE
66
INFORMATION SINK
64
SOURCE DECODER
62
CHANNEL DECODER
60
DEINTERLEAVER

FIG. 4

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3/3

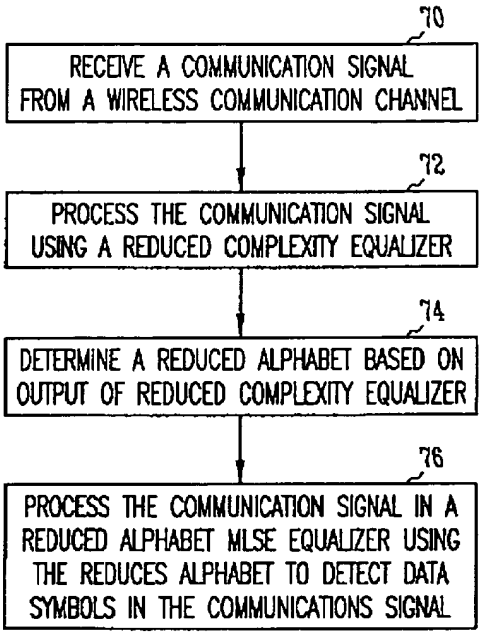

FIG. 5